

characterization of proliferation, differentiation potential, and gene expression among clonal cultures of human dental pulp cells

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Supplemental Table S2. Probeset list of gene groups related to ‘stemness or differentiation’.

Genes were extracted from gene databases [Ingenuity Pathway Analysis (IPA) and Gene Ontology] and published scientific literature, then converted to probeset IDs.

Affymetrix_ProbeSet_ID	Gene_Symbol	Gene_Description
7896952	ATAD3A	ATPase family, AAA domain containing 3A
7897068	SKI	v-ski sarcoma viral oncogene homolog (avian)
7897132	PRDM16	PR domain containing 16
7897280	HES3	hairy and enhancer of split 3 (Drosophila)
7897737	C1orf187	chromosome 1 open reading frame 187
7898537	PAX7	paired box 7
7898693	ALPL	alkaline phosphatase, liver/bone/kidney
7898739	CDC42	“cell division cycle 42 (GTP binding protein, 25kDa)”
7898799	C1QC	“complement component 1, q subcomponent, C chain”
7898988	CLIC4	chloride intracellular channel 4
7899167	LIN28A	lin-28 homolog A (C. elegans)
7899187	HMGN2	high-mobility group nucleosomal binding domain 2
7899265	SFN	stratifin
7899562	PTPRU	“protein tyrosine phosphatase, receptor type, U”
7899753	LCK	lymphocyte-specific protein tyrosine kinase
7899774	HDAC1	histone deacetylase 1
7899790	TSSK3	testis-specific serine kinase 3
7900146	ZC3H12A	zinc finger CCCH-type containing 12A
7900340	BMP8A	bone morphogenetic protein 8a
7900699	CDC20	cell division cycle 20 homolog (S. cerevisiae)
7900792	PTPRF	protein tyrosine phosphatase, receptor type, F
7901073	UROD	uroporphyrinogen decarboxylase
7901123	NASP	nuclear autoantigenic sperm protein (histone-binding)
7901140	MAST2	microtubule associated serine/threonine kinase 2
7901363	CDKN2C	“cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)”
7901557	DMRTB1	“DMRT-like family B with proline-rich C-terminal, 1”

7901696 PCSK9 proprotein convertase subtilisin/kexin type 9
7901913 FOXD3 forkhead box D3
7902227 GADD45A growth arrest and DNA-damage-inducible, alpha
7902367 ACADM acyl-CoA dehydrogenase, C-4 to C-12 straight chain
7903358 VCAM1 vascular cell adhesion molecule 1
7903461 NTNG1 netrin G1
7903786 CSF1 colony stimulating factor 1 (macrophage)
7903878 RBM15 RNA binding motif protein 15
7904025 WNT2B "wingless-type MMTV integration site family, member 2B "
7904702 NOTCH2NL Notch homolog 2 (Drosophila) N-terminal like
7904726 TXNIP thioredoxin interacting protein
7905220 ECM1 extracellular matrix protein 1
7905395 PSMB4 proteasome (prosome, macropain) subunit, beta type, 4
7905544 SPRR1A small proline-rich protein 1A
7905789 IL6R interleukin 6 receptor
7905854 ZBTB7B zinc finger and BTB domain containing 7B
7905938 RAG1AP1 recombination activating gene 1 activating protein 1
7906061 SYT11 synaptotagmin XI
7906107 SEMA4A "sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A "
7906140 BGLAP bone gamma-carboxyglutamate (gla) protein
7906244 NTRK1 "neurotrophic tyrosine kinase, receptor, type 1 "
7906400 IFI16 "interferon, gamma-inducible protein 16 "
7906954 PBX1 pre-B-cell leukemia homeobox 1
7907160 ATP1B1 ATPase, Na⁺/K⁺ transporting, beta 1 polypeptide
7907702 SOAT1 sterol O-acyltransferase 1
7908409 RGS2 "regulator of G-protein signaling 2, 24kDa "
7908694 NAV1 neuron navigator 1
7908917 BTG2 "BTG family, member 2 "
7909027 NFASC neurofascin
7909225 DYRK3 dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3
7909332 CD55 CD55 molecule, decay accelerating factor for complement (Cromer blood group)
7909628 FLVCR1 feline leukemia virus subgroup C cellular receptor 1
7909708 CENPF "centromere protein F, 350/400ka (mitosis) "
7909789 TGFB2 "transforming growth factor, beta 2 "
7909890 HLX H2.0-like homeobox
7910134 MIXL1 Mix1 homeobox-like 1 (Xenopus laevis)
7910146 PSEN2 presenilin 2 (Alzheimer disease 4)
7910217 WNT3A "wingless-type MMTV integration site family, member 3A "
7910265 OBSCN "obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF "
7910550 TSNAX translin-associated factor X
7910694 EDARADD EDAR-associated death domain
7911376 HES4 hairy and enhancer of split 4 (Drosophila)
7911422 SDF4 stromal cell derived factor 4

7911506 DVL1	dishevelled, dsh homolog 1 (Drosophila)
7911750 HES5	hairy and enhancer of split 5 (Drosophila)
7911989 RPL22	ribosomal protein L22
7912012 ACOT7	acyl-CoA thioesterase 7
7912157 ERRF1	ERBB receptor feedback inhibitor 1
7912481 MAD2L2	MAD2 mitotic arrest deficient-like 2 (yeast)
7912706 EPHA2	EPH receptor A2
7913450 HSPG2	heparan sulfate proteoglycan 2
7913547 WNT4	"wingless-type MMTV integration site family, member 4 "
7913655 ID3	"inhibitor of DNA binding 3, dominant negative helix-loop-helix protein "
7913858 PAQR7	progesterone and adiponectin receptor family member VII
7913864 STMN1	stathmin 1
7913869 STMN1	stathmin 1
7914021 SLC9A1	"solute carrier family 9 (sodium/hydrogen exchanger), member 1 "
7914433 BAI2	brain-specific angiogenesis inhibitor 2
7915156 POU3F1	POU class 3 homeobox 1
7915252 BMP8B	bone morphogenetic protein 8b
7915614 PTCH2	patched 2
7915955 SPATA6	spermatogenesis associated 6
7915991 DMRTA2	DMRT-like family A2
7916112 RAB3B	RAB3B, member RAS oncogene family
7916185 ZCCHC11	"zinc finger, CCHC domain containing 11 "
7916541 DAB1	disabled homolog 1 (Drosophila)
7916562 HNRNPA1	heterogeneous nuclear ribonucleoprotein A1
7916609 JUN	jun oncogene
7916669 DOCK7	dedicator of cytokinesis 7
7917182 ELTD1	EGF, latrophilin and seven transmembrane domain containing 1
7917199 TTLL7	"tubulin tyrosine ligase-like family, member 7 "
7917532 GBP2	guanylate binding protein 2, interferon-inducible
7917599 BARHL2	BarH-like homeobox 2
7917649 TGFBR3	"transforming growth factor, beta receptor III "
7917676 GLMN	"glomulin, FKBP associated protein "
7918323 SORT1	sortilin 1
7918359 AMIGO1	adhesion molecule with Ig-like domain 1
7918813 NRAS	neuroblastoma RAS viral (v-ras) oncogene homolog
7918857 TSPAN2	tetraspanin 2
7918869 NGF	nerve growth factor (beta polypeptide)
7919095 NOTCH2	Notch homolog 2 (Drosophila)
7919751 MCL1	myeloid cell leukemia sequence 1 (BCL2-related)
7919815 CTSK	cathepsin K
7919825 ARNT	aryl hydrocarbon receptor nuclear translocator
7919898 SEMA6C	"sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6C "
7920165 FLG	filaggrin

7920217	SPRR2G	small proline-rich protein 2G
7920472	TPM3	tropomyosin 3
7920575	PBXIP1	pre-B-cell leukemia homeobox interacting protein 1
7920839	RIT1	Ras-like without CAAX 1
7920984	CCT3	chaperonin containing TCP1, subunit 3 (gamma)
7921014	MEF2D	myocyte enhancer factor 2D
7921099	CRABP2	cellular retinoic acid binding protein 2
7921133	HDGF	hepatoma-derived growth factor
7921144	SH2D2A	SH2 domain containing 2A
7921538	IGSF8	immunoglobulin superfamily, member 8
7921936	LMX1A	"LIM homeobox transcription factor 1, alpha "
7922432	RC3H1	ring finger and CCCH-type zinc finger domains 1
7922976	PTGS2	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
7923027	GLRX2	glutaredoxin 2
7923086	ASPM	"asp (abnormal spindle) homolog, microcephaly associated (Drosophila) "
7923528	MYOG	myogenin (myogenic factor 4)
7924029	LAMB3	"laminin, beta 3 "
7924058	IRF6	interferon regulatory factor 6
7924832	WNT9A	wingless-type MMTV integration site family, member 9A
7924996	C1orf198	chromosome 1 open reading frame 198
7925565	HNRNPU	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)
7926105	GATA3	GATA binding protein 3
7926319	SUV39H2	suppressor of variegation 3-9 homolog 2 (Drosophila)
7926368	VIM	vimentin
7926609	BMI1	BMI1 polycomb ring finger oncogene
7926851	WAC	WW domain containing adaptor with coiled-coil
7926916	ZEB1	zinc finger E-box binding homeobox 1
7927389	MAPK8	mitogen-activated protein kinase 8
7927631	DKK1	dickkopf homolog 1 (Xenopus laevis)
7927710	CDK1	cyclin-dependent kinase 1
7927814	SIRT1	sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae)
7927955	KIAA1279	KIAA1279
7927964	SRGN	serglycin
7928069	COL13A1	"collagen, type XIII, alpha 1 "
7928308	DDIT4	DNA-damage-inducible transcript 4
7928855	BMPRI1A	"bone morphogenetic protein receptor, type IA "
7928937	MINPP1	multiple inositol-polyphosphate phosphatase 1
7929026	ACTA2	actin, alpha 2, smooth muscle, aorta
7929282	HEX	hematopoietically expressed homeobox
7929334	CEP55	centrosomal protein 55kDa
7929744	NKX2-3	"NK2 transcription factor related, locus 3 (Drosophila) "
7929816	SCD	stearoyl-CoA desaturase (delta-9-desaturase)
7929840	PAX2	paired box 2

7929882 SEMA4G "sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4G "
7929932 KAZALD1 Kazal-type serine peptidase inhibitor domain 1
7929947 TLX1 T-cell leukemia homeobox 1
7929988 HPS6 Hermansky-Pudlak syndrome 6
7930074 NFKB2 nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)
7930208 INA "internexin neuronal intermediate filament protein, alpha "
7930537 TCF7L2 "transcription factor 7-like 2 (T-cell specific, HMG-box) "
7930627 ADRB1 "adrenergic, beta-1-, receptor "
7931181 HMX3 H6 family homeobox 3
7931184 HMX2 H6 family homeobox 2
7931553 UTF1 undifferentiated embryonic cell transcription factor 1
7931810 KLF6 Kruppel-like factor 6
7932186 DCLRE1C "DNA cross-link repair 1C (PSO2 homolog, S. cerevisiae) "
7932254 ITGA8 "integrin, alpha 8 "
7932390 TRDMT1 tRNA aspartic acid methyltransferase 1
7932938 EPC1 enhancer of polycomb homolog 1 (Drosophila)
7932966 ITGB1 "integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12) "
7932985 NRP1 neuropilin 1
7933194 CXCL12 chemokine (C-X-C motif) ligand 12
7933366 GDF2 growth differentiation factor 2
7933372 GDF10 growth differentiation factor 10
7933469 ARHGAP22 Rho GTPase activating protein 22
7934083 NEUROG3 neurogenin 3
7934215 SPOCK2 "sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 2 "
7934570 KCNMA1 "potassium large conductance calcium-activated channel, subfamily M, alpha member 1 "
7934906 ACTA2 actin, alpha 2, smooth muscle, aorta
7935027 IDE insulin-degrading enzyme
7935146 NOC3L nucleolar complex associated 3 homolog (S. cerevisiae)
7935361 SLIT1 slit homolog 1 (Drosophila)
7935528 SFRP5 secreted frizzled-related protein 5
7935707 CHUK conserved helix-loop-helix ubiquitous kinase
7935776 SCD stearyl-CoA desaturase (delta-9-desaturase)
7935855 LBX1 ladybird homeobox 1
7935892 FGF8 fibroblast growth factor 8 (androgen-induced)
7935968 LDB1 LIM domain binding 1
7935990 PSD pleckstrin and Sec7 domain containing
7936661 PRDX3 peroxiredoxin 3
7936734 FGFR2 fibroblast growth factor receptor 2
7936882 NKX1-2 NK1 homeobox 2
7936904 CTBP2 C-terminal binding protein 2
7937020 MKI67 antigen identified by monoclonal antibody Ki-67
7937079 BNIP3 BCL2/adenovirus E1B 19kDa interacting protein 3
7937335 IFITM1 interferon induced transmembrane protein 1 (9-27)

7937508 CD151	CD151 molecule (Raph blood group)
7937667 BRSK2	BR serine/threonine kinase 2
7937772 IGF2	insulin-like growth factor 2 (somatomedin A)
7938154 ILK	integrin-linked kinase
7938422 CTR9	Ctr9, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)
7938880 HTATIP2	"HIV-1 Tat interactive protein 2, 30kDa "
7939197 HIPK3	homeodomain interacting protein kinase 3
7939341 CD44	CD44 molecule (Indian blood group)
7939524 EXT2	exostosin 2
7939642 CREB3L1	cAMP responsive element binding protein 3-like 1
7939665 MDK	midkine (neurite growth-promoting factor 2)
7939751 NR1H3	"nuclear receptor subfamily 1, group H, member 3 "
7940530 C11orf9	chromosome 11 open reading frame 9
7940798 MARK2	MAP/microtubule affinity-regulating kinase 2
7940989 ESRRA	estrogen-related receptor alpha
7941457 CCDC85B	coiled-coil domain containing 85B
7941478 SART1	squamous cell carcinoma antigen recognized by T cells
7941917 CABP4	calcium binding protein 4
7942123 CCND1	cyclin D1
7942964 TMEM135	transmembrane protein 135
7943620 ATM	ataxia telangiectasia mutated
7943892 NCAM1	neural cell adhesion molecule 1
7943984 ZBTB16	zinc finger and BTB domain containing 16
7944341 UPK2	uroplakin 2
7944435 HINFP	histone H4 transcription factor
7944493 CBL	Cas-Br-M (murine) ecotropic retroviral transforming sequence
7944537 POU2F3	POU class 2 homeobox 3
7944882 ROBO3	"roundabout, axon guidance receptor, homolog 3 (Drosophila) "
7945014 CHEK1	CHK1 checkpoint homolog (S. pombe)
7945162 BARX2	BARX homeobox 2
7945436 HRAS	v-Ha-ras Harvey rat sarcoma viral oncogene homolog
7945730 ASCL2	achaete-scute complex homolog 2 (Drosophila)
7946610 EIF4G2	eukaryotic translation initiation factor 4 gamma, 2
7946661 DKK3	dickkopf homolog 3 (Xenopus laevis)
7946749 CALCA	calcitonin-related polypeptide alpha
7946757 SOX6	SRY (sex determining region Y)-box 6
7947015 TSG101	tumor susceptibility gene 101
7947199 LGR4	leucine-rich repeat-containing G protein-coupled receptor 4
7947230 BDNF	brain-derived neurotrophic factor
7947363 WT1	Wilms tumor 1
7947540 TRAF6	TNF receptor-associated factor 6
7947652 AMBRA1	autophagy/beclin-1 regulator 1
7947694 CKAP5	cytoskeleton associated protein 5

7947861 SPI1	spleen focus forming virus (SFFV) proviral integration oncogene spi1
7948420 FABP5	fatty acid binding protein 5 (psoriasis-associated)
7948476 PRPF19	PRP19/PSO4 pre-mRNA processing factor 19 homolog (<i>S. cerevisiae</i>)
7948612 FADS1	fatty acid desaturase 1
7949067 BAD	BCL2-associated agonist of cell death
7949206 MEN1	multiple endocrine neoplasia I
7949364 CDCA5	cell division cycle associated 5
7949465 RELA	v-rel reticuloendotheliosis viral oncogene homolog A (avian)
7949532 FOSL1	FOS-like antigen 1
7949754 CLCF1	cardiotrophin-like cytokine factor 1
7950012 CCND1	cyclin D1
7950023 FGF19	fibroblast growth factor 19
7950032 FGF4	fibroblast growth factor 4
7950036 FGF3	fibroblast growth factor 3
7950067 DHCR7	7-dehydrocholesterol reductase
7950136 PHOX2A	paired-like homeobox 2a
7950307 UCP2	uncoupling protein 2 (mitochondrial, proton carrier)
7950321 UCP3	uncoupling protein 3 (mitochondrial, proton carrier)
7950534 WNT11	wingless-type MMTV integration site family, member 11
7950671 GAB2	GRB2-associated binding protein 2
7951046 MRE11A	MRE11 meiotic recombination 11 homolog A (<i>S. cerevisiae</i>)
7951807 CADM1	cell adhesion molecule 1
7952205 MCAM	melanoma cell adhesion molecule
7952268 THY1	Thy-1 cell surface antigen
7952305 BMPR1A	"bone morphogenetic protein receptor, type IA "
7952325 HSPA8	heat shock 70kDa protein 8
7952453 ROBO4	"roundabout homolog 4, magic roundabout (<i>Drosophila</i>) "
7952601 ETS1	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)
7953012 WNT5B	"wingless-type MMTV integration site family, member 5B "
7953100 FKBP4	"FK506 binding protein 4, 59kDa "
7953135 TULP3	tubby like protein 3
7953200 CCND2	cyclin D2
7953284 NTF3	neurotrophin 3
7953291 CD9	CD9 molecule
7953333 CD27	CD27 molecule
7953547 ATN1	atrophin 1
7953603 C1S	"complement component 1, s subcomponent "
7953651 PEX5	peroxisomal biogenesis factor 5
7953981 ETV6	ets variant 6
7954006 PTMA	prothymosin, alpha
7954029 CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)
7954055 APOLD1	apolipoprotein L domain containing 1
7954090 EMP1	epithelial membrane protein 1

7954196	MGST1	microsomal glutathione S-transferase 1
7955063	TMEM106C	transmembrane protein 106C
7955112	H1FNT	"H1 histone family, member N, testis-specific "
7955170	WNT1	"wingless-type MMTV integration site family, member 1 "
7955348	GPD1	glycerol-3-phosphate dehydrogenase 1 (soluble)
7955535	ACVR1B	"activin A receptor, type IB "
7955702	SOAT2	sterol O-acyltransferase 2
7955787	SP1	Sp1 transcription factor
7955890	HNRNPA1	heterogeneous nuclear ribonucleoprotein A1
7956026	GDF11	growth differentiation factor 11
7956038	MMP19	matrix metalloproteinase 19
7956076	CDK2	cyclin-dependent kinase 2
7956120	ERBB3	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)
7956287	NAB2	NGFI-A binding protein 2 (EGR1 binding protein 2)
7956910	CAND1	cullin-associated and neddylation-dissociated 1
7958051	ASCL1	achaete-scute complex homolog 1 (Drosophila)
7958620	IFT81	intraflagellar transport 81 homolog (Chlamydomonas)
7958749	SH2B3	SH2B adaptor protein 3
7958931	DTX1	deltex homolog 1 (Drosophila)
7959786	AACS	acetoacetyl-CoA synthetase
7959957	ULK1	unc-51-like kinase 1 (C. elegans)
7960340	FOXM1	forkhead box M1
7960397	FGF23	fibroblast growth factor 23
7960518	TNFRSF1A	tumor necrosis factor receptor superfamily, member 1A
7960850	SLC2A14	"solute carrier family 2 (facilitated glucose transporter), member 14 "
7960865	SLC2A3	solute carrier family 2 (facilitated glucose transporter), member 3
7960933	M6PR	mannose-6-phosphate receptor (cation dependent)
7961022	PTMA	prothymosin, alpha
7961798	SOX5	SRY (sex determining region Y)-box 5
7961865	KRAS	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
7961891	BHLHE41	"basic helix-loop-helix family, member e41 "
7962000	PTH1H	parathyroid hormone-like hormone
7962579	AMIGO2	adhesion molecule with Ig-like domain 2
7962659	HDAC7	histone deacetylase 7
7962689	VDR	vitamin D (1,25-dihydroxyvitamin D3) receptor
7962703	COL2A1	"collagen, type II, alpha 1 "
7962831	CCNT1	cyclin T1
7962918	WNT10B	"wingless-type MMTV integration site family, member 10B "
7963020	DHH	desert hedgehog homolog (Drosophila)
7963157	RACGAP1	Rac GTPase activating protein 1
7963375	KRT84	keratin 84
7963421	KRT6A	keratin 6A
7963523	KRT3	keratin 3

7963534	KRT4	keratin 4
7963664	SP7	Sp7 transcription factor
7963880	ITGA7	integrin, alpha 7
7963946	MMP19	matrix metalloproteinase 19
7964522	CDK4	cyclin-dependent kinase 4
7965090	CSRP2	cysteine and glycine-rich protein 2
7965322	KITLG	KIT ligand
7965335	DUSP6	dual specificity phosphatase 6
7965359	ATP2B1	ATPase, Ca ⁺⁺ transporting, plasma membrane 1
7965423	BTG1	"B-cell translocation gene 1, anti-proliferative "
7965812	GNPTAB	"N-acetylglucosamine-1-phosphate transferase, alpha and beta subunits "
7966189	FOXN4	forkhead box N4
7966631	LHX5	LIM homeobox 5
7966668	TBX5	T-box 5
7966690	TBX3	T-box 3
7966749	TESC	tescalcin
7966878	CIT	"citron (rho-interacting, serine/threonine kinase 21) "
7967039	MSI1	musashi homolog 1 (Drosophila)
7967175	KDM2B	lysine (K)-specific demethylase 2B
7967230	DIABLO	diablo homolog (Drosophila)
7967685	STX2	syntaxin 2
7968015	TNFRSF19	tumor necrosis factor receptor superfamily, member 19
7968199	CDK8	cyclin-dependent kinase 8
7968260	GSX1	GS homeobox 1
7968265	PDX1	pancreatic and duodenal homeobox 1
7968274	PAN3	PAN3 poly(A) specific ribonuclease subunit homolog (S. cerevisiae)
7969017	RB1	retinoblastoma 1
7969271	SUGT1	SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae)
7969830	ZIC2	"Zic family member 2 (odd-paired homolog, Drosophila) "
7970317	TFDP1	transcription factor Dp-1
7970347	CDC16	cell division cycle 16 homolog (S. cerevisiae)
7970727	CDX2	caudal type homeobox 2
7970763	FLT1	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)
7970954	DCLK1	doublecortin-like kinase 1
7971015	SMAD9	SMAD family member 9
7971177	FOXO1	forkhead box O1
7972069	MYCBP2	MYC binding protein 2
7972157	EDNRB	endothelin receptor type B
7972217	SPRY2	sprouty homolog 2 (Drosophila)
7972336	DZIP1	DAZ interacting protein 1
7972567	ZIC5	"Zic family member 5 (odd-paired homolog, Drosophila) "
7972713	EFNB2	ephrin-B2
7972737	LIG4	"ligase IV, DNA, ATP-dependent "

7973067 PNP purine nucleoside phosphorylase
 7973084 ANG "angiogenin, ribonuclease, RNase A family, 5 "
 7973336 MMP14 matrix metalloproteinase 14 (membrane-inserted)
 7973371 ACIN1 apoptotic chromatin condensation inducer 1
 7973530 PCK2 phosphoenolpyruvate carboxykinase 2 (mitochondrial)
 7973709 NFATC4 "nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4 "
 7973743 BNIP3 BCL2/adenovirus E1B 19kDa interacting protein 3
 7973745 FOXG1 forkhead box G1
 7973974 PAX9 paired box 9
 7974404 CDKN3 cyclin-dependent kinase inhibitor 3
 7974461 LGALS3 "lectin, galactoside-binding, soluble, 3 "
 7974799 MNAT1 menage a trois homolog 1, cyclin H assembly factor (*Xenopus laevis*)
 7974851 HIF1A "hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor) "
 7975545 PSEN1 presenilin 1
 7975595 C14orf169 chromosome 14 open reading frame 169
 7975602 ACOT2 acyl-CoA thioesterase 2
 7975696 VSX2 visual system homeobox 2
 7975779 FOS FBJ murine osteosarcoma viral oncogene homolog
 7976012 NRXN3 neurexin 3
 7976128 TTC8 tetratricopeptide repeat domain 8
 7976567 BDKRB1 bradykinin receptor B1
 7976783 DLK1 delta-like 1 homolog (*Drosophila*)
 7976863 PPP2R5C protein phosphatase 2, regulatory subunit B', gamma
 7977046 TNFAIP2 "tumor necrosis factor, alpha-induced protein 2 "
 7977511 TEP1 telomerase-associated protein 1
 7977621 NDRG2 NDRG family member 2
 7977657 HNRNPC heterogeneous nuclear ribonucleoprotein C (C1/C2)
 7977906 ACIN1 apoptotic chromatin condensation inducer 1
 7977928 CEBPE "CCAAT/enhancer binding protein (C/EBP), epsilon "
 7978222 TGM1 "transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase) "
 7978407 PRKD1 protein kinase D1
 7978644 NFKBIA "nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha "
 7978706 FOXA1 forkhead box A1
 7979179 ERO1L ERO1-like (*S. cerevisiae*)
 7979241 BMP4 bone morphogenetic protein 4
 7979307 DLGAP5 discs, large (*Drosophila*) homolog-associated protein 5
 7979357 OTX2 orthodenticle homeobox 2
 7979505 SIX1 SIX homeobox 1
 7979510 SIX4 SIX homeobox 4
 7979824 ACTN1 actinin, alpha 1
 7980005 NUMB numb homolog (*Drosophila*)
 7980098 ALDH6A1 "aldehyde dehydrogenase 6 family, member A1 "
 7980233 PGF placental growth factor

7980316 TGFB3 "transforming growth factor, beta 3 "
 7981111 DICER1 "dicer 1, ribonuclease type III "
 7981242 BCL11B B-cell CLL/lymphoma 11B (zinc finger protein)
 7981494 AKT1 v-akt murine thymoma viral oncogene homolog 1
 7981538 JAG2 jagged 2
 7981824 CYFIP1 cytoplasmic FMR1 interacting protein 1
 7981917 C15orf2 chromosome 15 open reading frame 2
 7982204 HMG2 high-mobility group nucleosomal binding domain 2
 7982597 THBS1 thrombospondin 1
 7982792 RAD51 RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae)
 7982854 DLL4 delta-like 4 (Drosophila)
 7983502 PLDN pallidin homolog (mouse)
 7983527 SEMA6D "sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D "
 7983606 EID1 EP300 interacting inhibitor of differentiation 1
 7983630 FGF7 fibroblast growth factor 7
 7983969 CCNB2 cyclin B2
 7984319 MAP2K1 mitogen-activated protein kinase kinase 1
 7984364 SMAD3 SMAD family member 3
 7984524 PAQR5 progesterin and adipoQ receptor family member V
 7984686 BBS4 Bardet-Biedl syndrome 4
 7984743 CD276 CD276 molecule
 7984779 PML promyelocytic leukemia
 7985080 ISL2 ISL LIM homeobox 2
 7985577 ZSCAN2 zinc finger and SCAN domain containing 2
 7985786 ACAN aggrecan
 7985934 SEMA4B "sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B "
 7985983 NGRN "neugrin, neurite outgrowth associated "
 7986068 BLM "Bloom syndrome, RecQ helicase-like "
 7986160 UNC45A unc-45 homolog A (C. elegans)
 7986359 IGF1R insulin-like growth factor 1 receptor
 7986383 IGF1R insulin-like growth factor 1 receptor
 7986411 MEF2A myocyte enhancer factor 2A
 7987315 ACTC1 actin, alpha, cardiac muscle 1
 7987405 RASGRP1 RAS guanyl releasing protein 1 (calcium and DAG-regulated)
 7987536 FAM82A2 "family with sequence similarity 82, member A2 "
 7988031 RPS3A ribosomal protein S3A
 7988987 ONECUT1 one cut homeobox 1
 7989023 RAB27A "RAB27A, member RAS oncogene family "
 7989365 RORA RAR-related orphan receptor A
 7989985 ITGA11 integrin, alpha 11
 7990345 SEMA7A "semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group) "
 7990545 CSPG4 chondroitin sulfate proteoglycan 4
 7990736 ADAMTS7 ADAM metalloproteinase with thrombospondin type 1 motif, 7

7991313	PLIN1	perilipin 1
7991323	PEX11A	peroxisomal biogenesis factor 11 alpha
7991332	MESP1	mesoderm posterior 1 homolog (mouse)
7991335	ANPEP	alanyl (membrane) aminopeptidase
7992038	METRN	"meteorin, glial cell differentiation regulator "
7992409	RNF151	ring finger protein 151
7992594	CCNF	cyclin F
7992789	TNFRSF12A	"tumor necrosis factor receptor superfamily, member 12A "
7992956	GLIS2	GLIS family zinc finger 2
7992973	DNAJA3	"DnaJ (Hsp40) homolog, subfamily A, member 3 "
7993310	MKL2	MKL/myocardin-like 2
7993467	NDE1	nudE nuclear distribution gene E homolog 1 (A. nidulans)
7994280	IL4R	interleukin 4 receptor
7994487	CD19	CD19 molecule
7994939	RNF40	ring finger protein 40
7995055	MYST1	MYST histone acetyltransferase 1
7995206	TGFB1I1	transforming growth factor beta 1 induced transcript 1
7995574	HNRNPA1	heterogeneous nuclear ribonucleoprotein A1
7995631	RBL2	retinoblastoma-like 2 (p130)
7995668	IRX5	iroquois homeobox 5
7995681	MMP2	"matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase) "
7996219	NDRG4	NDRG family member 4
7996430	HSF4	heat shock transcription factor 4
7996455	E2F4	E2F transcription factor 4, p107/p130-binding
7996647	PARD6A	par-6 partitioning defective 6 homolog alpha (C. elegans)
7996785	PRMT7	protein arginine methyltransferase 7
7997352	WWOX	WW domain containing oxidoreductase
7997533	OSGIN1	oxidative stress induced growth inhibitor 1
7997726	FOXF1	forkhead box F1
7997733	FOXC2	"forkhead box C2 (MFH-1, mesenchyme forkhead 1) "
7997801	IL17C	interleukin 17C
7998055	MC1R	melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)
7998063	TUBB3	tubulin, beta 3
7999044	CREBBP	CREB binding protein
7999423	SOCS1	suppressor of cytokine signaling 1
7999431	PRM3	protamine 3
8000409	HMGN2	high-mobility group nucleosomal binding domain 2
8000567	IL27	interleukin 27
8001306	SIAH1	seven in absentia homolog 1 (Drosophila)
8001387	SALL1	sal-like 1 (Drosophila)
8001449	IRX3	iroquois homeobox 3
8001507	BBS2	Bardet-Biedl syndrome 2
8001800	CDH11	"cadherin 11, type 2, OB-cadherin (osteoblast) "

8003068 MPHOSPH6 M-phase phosphoprotein 6
 8003204 GINS2 GINS complex subunit 2 (Psf2 homolog)
 8003298 SLC7A5 "solute carrier family 7 (cationic amino acid transporter, y+ system), member 5 "
 8003425 CBFA2T3 "core-binding factor, runt domain, alpha subunit 2; translocated to, 3 "
 8003758 PAFAH1B1 "platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kDa) "
 8004309 SLC2A4 "solute carrier family 2 (facilitated glucose transporter), member 4 "
 8004360 KCTD11 potassium channel tetramerisation domain containing 11
 8004394 SPEM1 spermatid maturation 1
 8004408 FGF11 fibroblast growth factor 11
 8004464 TNFSF12 tumor necrosis factor (ligand) superfamily, member 12
 8004571 EFN3 ephrin-B3
 8004784 ALOX15B "arachidonate 15-lipoxygenase, type B "
 8004867 NDEL1 nudE nuclear distribution gene E homolog (A. nidulans)-like 1
 8005048 MYOCD myocardin
 8005576 MAPK7 mitogen-activated protein kinase 7
 8006239 NF1 neurofibromin 1
 8006409 CDK5R1 "cyclin-dependent kinase 5, regulatory subunit 1 (p35) "
 8006531 SLFN5 schlafen family member 5
 8006638 GGNBP2 gametogenetin binding protein 2
 8006681 LHX1 LIM homeobox 1
 8006768 SOCS7 suppressor of cytokine signaling 7
 8006906 ERBB2 "v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) "
 8006940 GRB7 growth factor receptor-bound protein 7
 8006999 CSF3 colony stimulating factor 3 (granulocyte)
 8007008 THRA "thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian) "
 8007071 CDC6 cell division cycle 6 homolog (S. cerevisiae)
 8007084 RARA "retinoic acid receptor, alpha "
 8007212 STAT5A signal transducer and activator of transcription 5A
 8007637 FZD2 frizzled homolog 2 (Drosophila)
 8007745 HEXIM1 hexamethylene bis-acetamide inducible 1
 8007895 WNT9B wingless-type MMTV integration site family, member 9B
 8007931 ITGB3 "integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61) "
 8008074 CDK5RAP3 CDK5 regulatory subunit associated protein 3
 8008151 IGF2BP1 insulin-like growth factor 2 mRNA binding protein 1
 8008201 NGFR nerve growth factor receptor
 8008388 SPATA20 spermatogenesis associated 20
 8008517 NME1 "non-metastatic cells 1, protein (NM23A) expressed in "
 8008627 NOG noggin
 8008682 MSI2 musashi homolog 2 (Drosophila)
 8009096 ACE angiotensin I converting enzyme (peptidyl-dipeptidase A) 1
 8009227 PSMC5 proteasome (prosome, macropain) 26S subunit, ATPase, 5
 8009301 PRKCA "protein kinase C, alpha "
 8009417 KPNA2 karyopherin alpha 2 (RAG cohort 1, importin alpha 1)

8009517 SOX9	SRY (sex determining region Y)-box 9
8010967 NXN	nucleoredoxin
8012257 TP53	tumor protein p53
8012403 AURKB	aurora kinase B
8012605 GAS7	growth arrest-specific 7
8012896 PMP22	peripheral myelin protein 22
8012953 TRIM16	tripartite motif-containing 16
8013135 SREBF1	sterol regulatory element binding transcription factor 1
8013788 FLOT2	flotillin 2
8014214 NLE1	notchless homolog 1 (Drosophila)
8014841 MED1	mediator complex subunit 1
8014865 NEUROD2	neurogenic differentiation 2
8014974 TOP2A	topoisomerase (DNA) II alpha 170kDa
8015366 KRT14	keratin 14
8015590 STAT5B	signal transducer and activator of transcription 5B
8015607 STAT3	signal transducer and activator of transcription 3 (acute-phase response factor)
8015769 BRCA1	breast cancer 1, early onset
8015827 SOST	sclerostin
8015914 HDAC5	histone deacetylase 5
8016311 WNT3	wingless-type MMTV integration site family, member 3
8016433 HOXB1	homeobox B1
8016452 HOXB4	homeobox B4
8016578 SLC35B1	solute carrier family 35, member B1
8016628 PPP1R9B	"protein phosphatase 1, regulatory (inhibitor) subunit 9B "
8016640 HILS1	"histone linker H1 domain, spermatid-specific 1 "
8016646 COL1A1	"collagen, type I, alpha 1 "
8016739 TOB1	"transducer of ERBB2, 1 "
8016745 SPAG9	sperm associated antigen 9
8017150 TUBD1	"tubulin, delta 1 "
8017711 GNA13	"guanine nucleotide binding protein (G protein), alpha 13 "
8017718 AXIN2	axin 2
8018258 USH1G	Usher syndrome 1G (autosomal recessive)
8018264 C17orf28	chromosome 17 open reading frame 28
8018364 GRB2	growth factor receptor-bound protein 2
8018579 EVPL	envoplakin
8018646 FOXJ1	forkhead box J1
8018793 JMJD6	jumonji domain containing 6
8018864 SOCS3	suppressor of cytokine signaling 3
8018966 TIMP2	TIMP metalloproteinase inhibitor 2
8018972 TIMP2	TIMP metalloproteinase inhibitor 2
8019108 AZI1	5-azacytidine induced 1
8019308 MAFG	v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (avian)
8019367 RFNG	RFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase

8019392	FASN	fatty acid synthase
8019737	KPNA2	karyopherin alpha 2 (RAG cohort 1, importin alpha 1)
8019796	MAFG	v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (avian)
8019798	MAFG	v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (avian)
8020090	TWSG1	twisted gastrulation homolog 1 (Drosophila)
8020423	MIB1	mindbomb homolog 1 (Drosophila)
8020455	GATA6	GATA binding protein 6
8020468	RBBP8	retinoblastoma binding protein 8
8021365	ATP8B1	ATPase, aminophospholipid transporter, class I, type 8B, member 1
8021418	MALT1	mucosa associated lymphoid tissue lymphoma translocation gene 1
8021866	NFATC1	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1
8022424	NF1	neurofibromin 1
8022814	HNRNPA1	heterogeneous nuclear ribonucleoprotein A1
8023497	ATP8B1	ATPase, aminophospholipid transporter, class I, type 8B, member 1
8023646	BCL2	B-cell CLL/lymphoma 2
8023941	MADCAM1	mucosal vascular addressin cell adhesion molecule 1
8023948	C19orf20	chromosome 19 open reading frame 20
8023968	CDC34	cell division cycle 34 homolog (S. cerevisiae)
8023990	FGF22	fibroblast growth factor 22
8023995	FSTL3	follistatin-like 3 (secreted glycoprotein)
8024062	CFD	complement factor D (adipsin)
8024282	DAZAP1	DAZ associated protein 1
8024429	AMH	anti-Mullerian hormone
8024485	GADD45B	"growth arrest and DNA-damage-inducible, beta "
8024557	GNA11	"guanine nucleotide binding protein (G protein), alpha 11 (Gq class) "
8024566	GNA11	"guanine nucleotide binding protein (G protein), alpha 11 (Gq class) "
8024728	ITGB1BP3	integrin beta 1 binding protein 3
8024754	CREB3L3	cAMP responsive element binding protein 3-like 3
8025179	ZNF358	zinc finger protein 358
8025278	RETN	resistin
8025402	ANGPTL4	angiopoietin-like 4
8025601	ICAM1	intercellular adhesion molecule 1
8026047	JUNB	jun B proto-oncogene
8026106	CALR	calreticulin
8026214	NANOS3	nanos homolog 3 (Drosophila)
8027402	CCNE1	cyclin E1
8027566	CEBPG	"CCAAT/enhancer binding protein (C/EBP), gamma "
8027778	FXVD5	FXVD domain containing ion transport regulator 5
8028162	TBCB	tubulin folding cofactor B
8028652	ZFP36	"zinc finger protein 36, C3H type, homolog (mouse) "
8028719	DLL3	delta-like 3 (Drosophila)
8028872	LTBP4	latent transforming growth factor beta binding protein 4
8029006	AXL	AXL receptor tyrosine kinase

8029129	RPS19	ribosomal protein S19
8029465	BCL3	B-cell CLL/lymphoma 3
8029530	APOE	apolipoprotein E
8029560	CLPTM1	cleft lip and palate associated transmembrane protein 1
8029580	RELB	v-rel reticuloendotheliosis viral oncogene homolog B
8029693	FOSB	FBJ murine osteosarcoma viral oncogene homolog B
8029754	FOXA3	forkhead box A3
8030339	FLT3LG	fms-related tyrosine kinase 3 ligand
8030557	ATF5	activating transcription factor 5
8030630	NR1H2	"nuclear receptor subfamily 1, group H, member 2 "
8030881	PPP2R1A	"protein phosphatase 2, regulatory subunit A, alpha "
8031441	BRSK1	BR serine/threonine kinase 1
8032023	THEG	Theg homolog (mouse)
8032290	TCF3	transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)
8032392	MKMK2	MAP kinase interacting serine/threonine kinase 2
8032718	DAPK3	death-associated protein kinase 3
8032755	ZBTB7A	zinc finger and BTB domain containing 7A
8032834	LRG1	leucine-rich alpha-2-glycoprotein 1
8032839	SEMA6B	"sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B "
8033362	INSR	insulin receptor
8033892	ANGPTL6	angiopoietin-like 6
8033912	DNMT1	DNA (cytosine-5-)-methyltransferase 1
8034034	KEAP1	kelch-like ECH-associated protein 1
8034043	S1PR5	sphingosine-1-phosphate receptor 5
8034544	PRDX2	peroxiredoxin 2
8034565	DNASE2	"deoxyribonuclease II, lysosomal "
8034643	CACNA1A	"calcium channel, voltage-dependent, P/Q type, alpha 1A subunit "
8034772	ASF1B	ASF1 anti-silencing function 1 homolog B (S. cerevisiae)
8034940	NOTCH3	Notch homolog 3 (Drosophila)
8035445	JUND	jun D proto-oncogene
8035847	ZNF675	zinc finger protein 675
8036004	CEBPA	"CCAAT/enhancer binding protein (C/EBP), alpha "
8036133	UPK1A	uroplakin 1A
8036494	GGN	gametogenetin
8036749	EID2	EP300 interacting inhibitor of differentiation 2
8037005	TGFB1	"transforming growth factor, beta 1 "
8037186	LIPE	lipase, hormone-sensitive
8037537	ERCC2	"excision repair cross-complementing rodent repair deficiency, complementation group 2 "
8037732	NANOS2	nanos homolog 2 (Drosophila)
8037775	PTGIR	prostaglandin I2 (prostacyclin) receptor (IP)
8037913	NAPA	"N-ethylmaleimide-sensitive factor attachment protein, alpha "
8037931	ZNF541	zinc finger protein 541
8039484	IL11	interleukin 11

8040070 SOX11 SRY (sex determining region Y)-box 11
8040103 ID2 "inhibitor of DNA binding 2, dominant negative helix-loop-helix protein "
8040142 CPSF3 cleavage and polyadenylation specific factor 3, 73kDa
8040223 RRM2 ribonucleotide reductase M2
8040456 MSGN1 mesogenin 1
8040473 RHOB "ras homolog gene family, member B "
8040479 GDF7 growth differentiation factor 7
8040578 CENPO centromere protein O
8040827 TCF23 transcription factor 23
8040898 TRIM54 tripartite motif-containing 54
8041236 SPAST spastin
8041447 CRIM1 cysteine rich transmembrane BMP regulator 1 (chordin-like)
8041582 PKDCC "protein kinase domain containing, cytoplasmic homolog (mouse) "
8041781 EPAS1 endothelial PAS domain protein 1
8041820 SOCS5 suppressor of cytokine signaling 5
8041867 MSH2 "mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli) "
8042439 ANTXR1 anthrax toxin receptor 1
8042487 GMCL1 germ cell-less homolog 1 (Drosophila)
8042537 ATP6V1B1 "ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B1 "
8042701 EMX1 empty spiracles homeobox 1
8042737 ALMS1 Alstrom syndrome 1
8042925 SEMA4F "sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4F "
8043114 TCF7L1 "transcription factor 7-like 1 (T-cell specific, HMG-box) "
8043203 VAMP5 vesicle-associated membrane protein 5 (myobrevin)
8043244 ATOH8 atonal homolog 8 (Drosophila)
8043283 KDM3A lysine (K)-specific demethylase 3A
8043504 MAL "mal, T-cell differentiation protein "
8044686 ACTR3 ARP3 actin-related protein 3 homolog (yeast)
8044927 INHBB "inhibin, beta B "
8044933 GLI2 GLI family zinc finger 2
8045381 CCNT2 cyclin T2
8045587 ACVR2A "activin A receptor, type IIA "
8045816 GPD2 glycerol-3-phosphate dehydrogenase 2 (mitochondrial)
8046373 DLX1 distal-less homeobox 1
8046380 ITGA6 "integrin, alpha 6 "
8046461 ZAK sterile alpha motif and leucine zipper containing kinase AZK
8046628 RBM45 RNA binding motif protein 45
8046646 OSBPL6 oxysterol binding protein-like 6
8046695 ITGA4 "integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor) "
8046861 ITGAV "integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51) "
8046922 COL3A1 collagen, type III, alpha 1
8047059 HNRNPC heterogeneous nuclear ribonucleoprotein C (C1/C2)
8047086 NAB1 NGFI-A binding protein 1 (EGR1 binding protein 1)

8047174 SLC39A10 solute carrier family 39 (zinc transporter), member 10
8047419 CASP8 "caspase 8, apoptosis-related cysteine peptidase "
8047487 FZD7 frizzled homolog 7 (Drosophila)
8047538 BMPR2 "bone morphogenetic protein receptor, type II (serine/threonine kinase) "
8047738 NRP2 neuropilin 2
8047839 CREB1 cAMP responsive element binding protein 1
8048146 XRCC5 X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)
8048340 RQCD1 RCD1 required for cell differentiation1 homolog (S. pombe)
8048445 WNT6 wingless-type MMTV integration site family, member 6
8048452 WNT10A wingless-type MMTV integration site family, member 10A
8048541 DES desmin
8048551 SPEG SPEG complex locus
8048847 AGFG1 ArfGAP with FG repeats 1
8049083 PTMA prothymosin, alpha
8049487 MLPH melanophilin
8050190 ADAM17 ADAM metallopeptidase domain 17
8050215 YWHAQ tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide
8050497 OSR1 odd-skipped related 1 (Drosophila)
8050763 CENPO centromere protein O
8051762 SLC8A1 solute carrier family 8 (sodium/calcium exchanger), member 1
8051949 SIX2 SIX homeobox 2
8051993 PIGF phosphatidylinositol glycan anchor biosynthesis, class F
8052149 PSME4 "proteasome (prosome, macropain) activator subunit 4 "
8052399 BCL11A B-cell CLL/lymphoma 11A (zinc finger protein)
8052762 GFPT1 glutamine--fructose-6-phosphate transaminase 1
8053263 SEMA4F "sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4F "
8053668 EIF2AK3 eukaryotic translation initiation factor 2-alpha kinase 3
8054004 SEMA4C "sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4C "
8054377 FHL2 four and a half LIM domains 2
8054664 ZC3H8 zinc finger CCCH-type containing 8
8054740 PAX8 paired box 8
8054945 BIN1 bridging integrator 1
8054978 ERCC3 "excision repair cross-complementing rodent repair deficiency, complementation group 3 (xeroderma pigmentosum group B complementing) "
8055952 NR4A2 "nuclear receptor subfamily 4, group A, member 2 "
8055992 ACVR1C "activin A receptor, type IC "
8056005 ACVR1 "activin A receptor, type I "
8056222 DPP4 dipeptidyl-peptidase 4
8056257 FAP fibroblast activation protein, alpha
8056784 DLX2 distal-less homeobox 2
8056798 SP3 Sp3 transcription factor
8056909 ATF2 activating transcription factor 2
8056943 KIAA1715 KIAA1715
8057506 FRZB frizzled-related protein

8057620 COL5A2	"collagen, type V, alpha 2 "
8058857 IGFBP5	insulin-like growth factor binding protein 5
8058914 AAMP	"angio-associated, migratory cell protein "
8059014 FEV	FEV (ETS oncogene family)
8059067 IHH	Indian hedgehog homolog (Drosophila)
8059071 NHEJ1	nonhomologous end-joining factor 1
8059376 SERPINE2	"serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2 "
8059525 TM4SF20	transmembrane 4 L six family member 20
8059580 DNER	delta/notch-like EGF repeat containing
8059739 NPPC	natriuretic peptide precursor C
8059783 NGEF	neuronal guanine nucleotide exchange factor
8059989 HES6	hairy and enhancer of split 6 (Drosophila)
8060030 HDAC4	histone deacetylase 4
8060286 DTYMK	deoxythymidylate kinase (thymidylate kinase)
8060334 SOX12	SRY (sex determining region Y)-box 12
8060604 OXT	"oxytocin, prepropeptide "
8060850 BMP2	bone morphogenetic protein 2
8061136 PTMA	prothymosin, alpha
8061303 INSM1	insulinoma-associated 1
8061357 PAX1	paired box 1
8061564 ID1	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein
8061746 DNMT3B	DNA (cytosine-5-)-methyltransferase 3 beta
8062134 GDF5	growth differentiation factor 5
8062319 TGIF2	TGFB-induced factor homeobox 2
8062395 NNAT	neuronatin
8062527 ADIG	adipogenin
8062603 TOP1	topoisomerase (DNA) I
8062705 L3MBTL	l(3)mbt-like (Drosophila)
8062981 PIGT	"phosphatidylinositol glycan anchor biosynthesis, class T "
8063043 UBE2C	ubiquitin-conjugating enzyme E2C
8063115 MMP9	"matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) "
8063369 RNF114	ring finger protein 114
8063386 CEBPB	"CCAAT/enhancer binding protein (C/EBP), beta "
8063536 TFAP2C	transcription factor AP-2 gamma (activating enhancer binding protein 2 gamma)
8063668 GNAS	GNAS complex locus
8064100 PDPF	pancreatic progenitor cell differentiation and proliferation factor homolog (zebrafish)
8064277 MYT1	myelin transcription factor 1
8064844 PCNA	proliferating cell nuclear antigen
8064967 MKKS	McKusick-Kaufman syndrome
8064978 JAG1	jagged 1 (Alagille syndrome)
8065334 NKX2-2	NK2 homeobox 2
8065344 FOXA2	forkhead box A2
8065668 CDK5RAP1	CDK5 regulatory subunit associated protein 1

8065776	NCOA6	nuclear receptor coactivator 6
8065905	GDF5	growth differentiation factor 5
8066051	NDRG3	NDRG family member 3
8066136	RBL1	retinoblastoma-like 1 (p107)
8066431	ADA	adenosine deaminase
8066619	PLTP	phospholipid transfer protein
8066953	SPATA2	spermatogenesis associated 2
8067055	ATP9A	ATPase, class II, type 9A
8067409	LAMA5	"laminin, alpha 5 "
8067521	GATA5	GATA binding protein 5
8067554	TCFL5	transcription factor-like 5 (basic helix-loop-helix)
8067862	NF1	neurofibromin 1
8068024	JAM2	junctional adhesion molecule 2
8068168	SOD1	"superoxide dismutase 1, soluble "
8068496	SIM2	single-minded homolog 2 (Drosophila)
8068522	TTC3	tetratricopeptide repeat domain 3
8068866	PKNOX1	PBX/knotted 1 homeobox 1
8069269	COL6A1	collagen, type VI, alpha 1
8069301	COL6A2	collagen, type VI, alpha 2
8070182	RCAN1	regulator of calcineurin 1
8070194	RUNX1	runt-related transcription factor 1
8070665	SIK1	salt-inducible kinase 1
8071768	SMARCB1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1
8072577	YWHAH	"tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide "
8072687	MCM5	minichromosome maintenance complex component 5
8072876	LGALS1	"lectin, galactoside-binding, soluble, 1 "
8073007	MAFF	v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian)
8073022	CBY1	chibby homolog 1 (Drosophila)
8073148	ATF4	activating transcription factor 4 (tax-responsive enhancer element B67)
8073522	SREBF2	sterol regulatory element binding transcription factor 2
8073733	NUP50	nucleoporin 50kDa
8073743	UPK3A	uroplakin 3A
8073826	PPARA	peroxisome proliferator-activated receptor alpha
8074791	MAPK1	mitogen-activated protein kinase 1
8075239	THOC5	THO complex 5
8075310	LIF	leukemia inhibitory factor (cholinergic differentiation factor)
8075493	PATZ1	POZ (BTB) and AT hook containing zinc finger 1
8075728	MYH9	"myosin, heavy chain 9, non-muscle "
8075992	SOX10	SRY (sex determining region Y)-box 10
8076185	CBX7	chromobox homolog 7
8076331	TOB2	"transducer of ERBB2, 2 "
8076441	NFAM1	NFAT activating protein with ITAM motif 1
8076586	SCUBE1	"signal peptide, CUB domain, EGF-like 1 "

8076734	WNT7B	wingless-type MMTV integration site family, member 7B
8076894	MLC1	megalencephalic leukoencephalopathy with subcortical cysts 1
8076962	MAPK12	mitogen-activated protein kinase 12
8077103	TYMP	thymidine phosphorylase
8077262	DTYMK	deoxythymidylate kinase (thymidylate kinase)
8077503	CAV3	caveolin 3
8077781	VHL	von Hippel-Lindau tumor suppressor
8077899	PPARG	peroxisome proliferator-activated receptor gamma
8078286	RARB	"retinoic acid receptor, beta "
8078350	TGFBR2	"transforming growth factor, beta receptor II (70/80kDa) "
8078600	TCEA1	"transcription elongation factor A (SII), 1 "
8078898	SLC25A38	"solute carrier family 25, member 38 "
8079021	CTNNB1	"catenin (cadherin-associated protein), beta 1, 88kDa "
8079140	SNRK	SNF related kinase
8079153	ABHD5	abhydrolase domain containing 5
8080714	FLNB	"filamin B, beta "
8080938	MITF	microphthalmia-associated transcription factor
8081001	ROBO2	"roundabout, axon guidance receptor, homolog 2 (Drosophila) "
8081235	COL8A1	collagen, type VIII, alpha 1
8081657	CD200	CD200 molecule
8081686	BOC	Boc homolog (mouse)
8081740	ATP6V1A	ATPase, H ⁺ transporting, lysosomal 70kDa, V1 subunit A
8081810	GAP43	growth associated protein 43
8082350	MCM2	minichromosome maintenance complex component 2
8083240	AGTR1	"angiotensin II receptor, type 1 "
8083429	MBNL1	muscleblind-like (Drosophila)
8083494	MME	membrane metallo-endopeptidase
8083594	PTX3	pentraxin 3, long
8083616	MLF1	myeloid leukemia factor 1
8083887	CLDN11	claudin 11
8083901	FNDC3B	fibronectin type III domain containing 3B
8083968	NLGN1	neuroligin 1
8084146	FXR1	"fragile X mental retardation, autosomal homolog 1 "
8084303	EIF2B5	"eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa "
8084397	ECE2	endothelin converting enzyme 2
8084496	CHRD	chordin
8084794	IL1RAP	interleukin 1 receptor accessory protein
8084880	HES1	"hairy and enhancer of split 1, (Drosophila) "
8085138	OXTR	oxytocin receptor
8085206	CAMK1	calcium/calmodulin-dependent protein kinase I
8085311	ATP2B2	"ATPase, Ca ⁺⁺ transporting, plasma membrane 2 "
8085475	WNT7A	"wingless-type MMTV integration site family, member 7A "
8085914	SLC4A7	solute carrier family 4, sodium bicarbonate cotransporter, member 7

8085946	EOMES	eomesodermin homolog (<i>Xenopus laevis</i>)
8086517	CDCP1	CUB domain containing protein 1
8087405	GPX1	glutathione peroxidase 1
8087409	RHOA	"ras homolog gene family, member A "
8087907	SEMA3G	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3G
8088180	WNT5A	"wingless-type MMTV integration site family, member 5A "
8088384	PDHB	pyruvate dehydrogenase (lipoamide) beta
8088485	FEZF2	FEZ family zinc finger 2
8088919	ROBO1	"roundabout, axon guidance receptor, homolog 1 (<i>Drosophila</i>) "
8089082	DCBLD2	discoidin, CUB and LCCL domain containing 2
8089145	ABI3BP	ABI family, member 3 (NESH) binding protein
8089801	GSK3B	glycogen synthase kinase 3 beta
8090044	SEMA5B	"sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B "
8090395	TXNRD3	thioredoxin reductase 3
8090469	GATA2	GATA binding protein 2
8091032	FOXL2	forkhead box L2
8091103	TFDP2	transcription factor Dp-2 (E2F dimerization partner 2)
8091190	ATR	ataxia telangiectasia and Rad3 related
8091411	TM4SF1	transmembrane 4 L six family member 1
8091422	WWTR1	WW domain containing transcription regulator 1
8091537	IGSF10	"immunoglobulin superfamily, member 10 "
8091678	VEPH1	ventricular zone expressed PH domain homolog 1 (zebrafish)
8091972	MECOM	MDS1 and EVI1 complex locus
8092691	BCL6	B-cell CLL/lymphoma 6
8092849	ATP13A3	ATPase type 13A3
8093053	TFRC	transferrin receptor (p90, CD71)
8093500	TACC3	transforming, acidic coiled-coil containing protein 3
8093852	MSX1	msh homeobox 1
8094030	AFAP1	actin filament associated protein 1
8094278	NCAPG	non-SMC condensin I complex, subunit G
8094301	SLIT2	slit homolog 2 (<i>Drosophila</i>)
8095021	SPATA18	spermatogenesis associated 18 homolog (rat)
8095074	GSX2	GS homeobox 2
8095080	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide
8095110	KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
8095262	REST	RE1-silencing transcription factor
8095545	RUFY3	RUN and FYVE domain containing 3
8095585	SLC4A4	solute carrier family 4, sodium bicarbonate cotransporter, member 4
8095870	CCNG2	cyclin G2
8096004	BMP2K	BMP2 inducible kinase
8096050	FGF5	fibroblast growth factor 5
8096070	BMP3	bone morphogenetic protein 3
8096098	COPS4	COP9 constitutive photomorphogenic homolog subunit 4 (<i>Arabidopsis</i>)

8096160 ARHGAP24 Rho GTPase activating protein 24
 8096461 ATOH1 atonal homolog 1 (Drosophila)
 8096511 BMPR1B "bone morphogenetic protein receptor, type IB"
 8096635 NFKB1 nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
 8097256 FGF2 fibroblast growth factor 2 (basic)
 8097262 SPATA5 spermatogenesis associated 5
 8097282 SPRY1 sprouty homolog 1, antagonist of FGF signaling (Drosophila)
 8097356 PLK4 polo-like kinase 4 (Drosophila)
 8097480 NAA15 "N(alpha)-acetyltransferase 15, NatA auxiliary subunit"
 8097553 IL15 interleukin 15
 8097657 SMAD1 SMAD family member 1
 8097687 POU4F2 POU class 4 homeobox 2
 8097782 RPS3A ribosomal protein S3A
 8098006 GLRB glycine receptor, beta
 8098571 HELT HES/HEY-like transcription factor
 8098576 SLC25A4 solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4
 8098611 TLR3 toll-like receptor 3
 8098880 CTBP1 C-terminal binding protein 1
 8099132 CYTL1 cytokine-like 1
 8099259 AFAP1 actin filament associated protein 1
 8099524 LDB2 LIM domain binding 2
 8099633 PPARC1A "peroxisome proliferator-activated receptor gamma, coactivator 1 alpha"
 8099965 ACOT7 acyl-CoA thioesterase 7
 8101507 NKX6-1 NK6 homeobox 1
 8102560 MAD2L1 MAD2 mitotic arrest deficient-like 1 (yeast)
 8102655 BBS7 Bardet-Biedl syndrome 7
 8102789 TERF1 telomeric repeat binding factor (NIMA-interacting) 1
 8103728 HMGB2 high-mobility group box 2
 8103822 VEGFC vascular endothelial growth factor C
 8103922 CASP3 "caspase 3, apoptosis-related cysteine peptidase"
 8104079 FAT1 FAT tumor suppressor homolog 1 (Drosophila)
 8104234 TRIP13 thyroid hormone receptor interactor 13
 8104369 SRD5A1 "steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)"
 8104449 CCT5 chaperonin containing TCP1, subunit 5 (epsilon)
 8104901 IL7R interleukin 7 receptor
 8104912 SKP2 S-phase kinase-associated protein 2 (p45)
 8104930 SLC1A3 "solute carrier family 1 (glial high affinity glutamate transporter), member 3"
 8105067 PTGER4 prostaglandin E receptor 4 (subtype EP4)
 8105267 ITGA2 "integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)"
 8105302 FST follistatin
 8105523 KIF2A kinesin heavy chain member 2A
 8105828 CCNB1 cyclin B1
 8105862 CDK7 cyclin-dependent kinase 7

8106098	MAP1B	microtubule-associated protein 1B
8106210	RGNEF	190 kDa guanine nucleotide exchange factor
8106730	XRCC4	X-ray repair complementing defective repair in Chinese hamster cells 4
8106923	NR2F1	nuclear receptor subfamily 2, group F, member 1
8107330	APC	adenomatous polyposis coli
8107470	PTMA	prothymosin, alpha
8107613	SNX2	sorting nexin 2
8107646	PRDM6	PR domain containing 6
8108238	SMAD5	SMAD family member 5
8108370	EGR1	early growth response 1
8108861	NDFIP1	Nedd4 family interacting protein 1
8108949	POU4F3	POU class 4 homeobox 3
8109086	ADRB2	"adrenergic, beta-2-, receptor, surface "
8109120	AFAP1L1	actin filament associated protein 1-like 1
8109194	SLC26A2	"solute carrier family 26 (sulfate transporter), member 2 "
8109639	PTTG1	pituitary tumor-transforming 1 // pituitary tumor-transforming 1
8109697	CCNG1	cyclin G1
8109969	TLX3	T-cell leukemia homeobox 3
8109981	FGF18	fibroblast growth factor 18
8110084	MSX2	msh homeobox 2
8110090	SFXN1	sideroflexin 1
8110569	SQSTM1	sequestosome 1
8110783	TERT	telomerase reverse transcriptase
8110932	SEMA5A	"sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A "
8111677	LIFR	leukemia inhibitory factor receptor alpha
8111772	DAB2	"disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila) "
8112139	IL6ST	"interleukin 6 signal transducer (gp130, oncostatin M receptor) "
8112202	PLK2	polo-like kinase 2
8112772	AP3B1	"adaptor-related protein complex 3, beta 1 subunit "
8112940	SSBP2	single-stranded DNA binding protein 2
8113010	CCNH	cyclin H
8113039	MEF2C	myocyte enhancer factor 2C
8113250	ERAP1	endoplasmic reticulum aminopeptidase 1
8113433	EFNA5	ephrin-A5
8113573	TSSK1B	testis-specific serine kinase 1B
8113666	SEMA6A	"sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A "
8114010	IRF1	interferon regulatory factor 1
8114158	PPP2CA	"protein phosphatase 2, catalytic subunit, alpha isozyme "
8114245	NEUROG1	neurogenin 1
8114583	SRA1	steroid receptor RNA activator 1
8114612	CD14	CD14 molecule
8114691	HDAC3	histone deacetylase 3
8114805	FGF1	fibroblast growth factor 1 (acidic)

8114814 NR3C1 nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)
 8115147 CD74 "CD74 molecule, major histocompatibility complex, class II invariant chain"
 8115158 RPS14 ribosomal protein S14
 8115234 ANXA6 annexin A6
 8115327 SPARC "secreted protein, acidic, cysteine-rich (osteonectin)"
 8115691 SLIT3 slit homolog 3 (Drosophila)
 8115814 SH3PXD2B SH3 and PX domains 2B
 8115840 NKX2-5 "NK2 transcription factor related, locus 5 (Drosophila)"
 8116051 DBN1 drebrin 1
 8116070 PDLIM7 PDZ and LIM domain 7 (enigma)
 8116162 PROP1 PROP paired-like homeobox 1
 8116402 MAPK9 mitogen-activated protein kinase 9
 8116591 FOXC1 forkhead box C1
 8116649 TUBB2A "tubulin, beta 2A"
 8116653 TUBB2A "tubulin, beta 2A"
 8116740 RREB1 ras responsive element binding protein 1
 8116780 DSP desmoplakin
 8116921 EDN1 endothelin 1
 8116983 CD83 CD83 molecule
 8116998 JARID2 "jumonji, AT rich interactive domain 2"
 8117120 ID4 "inhibitor of DNA binding 4, dominant negative helix-loop-helix protein"
 8117165 SOX4 SRY (sex determining region Y)-box 4
 8117900 DDR1 discoidin domain receptor tyrosine kinase 1
 8117995 TUBB "tubulin, beta"
 8118726 GGNBP1 gametogenetin binding protein 1
 8118945 PPARD peroxisome proliferator-activated receptor delta
 8119080 SRSF3 serine/arginine-rich splicing factor 3
 8119088 CDKN1A cyclin-dependent kinase inhibitor 1A (p21, Cip1)
 8119466 MDFI MyoD family inhibitor
 8119503 TAF8 "TAF8 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 43kDa"
 8119712 SRF serum response factor (c-fos serum response element-binding transcription factor)
 8119898 VEGFA vascular endothelial growth factor A
 8119974 SLC29A1 solute carrier family 29 (nucleoside transporters), member 1
 8120043 RUNX2 runt-related transcription factor 2
 8120215 PAQR8 progesterin and adipoQ receptor family member VIII
 8120585 SMAP1 small ArfGAP 1
 8120783 MYO6 myosin VI
 8120967 NT5E 5'-nucleotidase, ecto (CD73)
 8121209 POU3F2 POU class 3 homeobox 2
 8121257 PRDM1 PR domain containing 1, with ZNF domain
 8121365 FOXO3 forkhead box O3
 8121704 NUS1 nuclear undecaprenyl pyrophosphate synthase 1 homolog (S. cerevisiae)
 8121850 HEY2 hairy/enhancer-of-split related with YRPW motif 2

8122099 ENPP1	ectonucleotide pyrophosphatase/phosphodiesterase 1
8122176 TCF21	transcription factor 21
8122242 PEX7	peroxisomal biogenesis factor 7
8122334 CCRL1	chemokine (C-C motif) receptor-like 1
8123315 QKI	"quaking homolog, KH domain RNA binding (mouse) "
8123494 FAM120B	family with sequence similarity 120B
8123644 TUBB2A	"tubulin, beta 2A "
8123651 TUBB2B	"tubulin, beta 2B "
8124280 FAM65B	"family with sequence similarity 65, member B "
8124654 GABBR1	"gamma-aminobutyric acid (GABA) B receptor, 1 "
8124848 IER3	immediate early response 3
8124862 CDSN	corneodesmosin
8124868 CCHCR1	coiled-coil alpha-helical rod protein 1
8124889 POU5F1	POU class 5 homeobox 1
8125295 ATF6B	activating transcription factor 6 beta
8125383 NOTCH4	Notch homolog 4 (Drosophila)
8125545 HLA-DOA	"major histocompatibility complex, class II, DO alpha "
8125568 COL11A2	"collagen, type XI, alpha 2 "
8125713 TAPBP	TAP binding protein (tapasin)
8125941 SRPK1	SFRS protein kinase 1
8126102 MDGA1	MAM domain containing glycosylphosphatidylinositol anchor 1
8126474 MEA1	male-enhanced antigen 1
8126574 YIPF3	"Yip1 domain family, member 3 "
8127031 MCM3	minichromosome maintenance complex component 3
8127446 COL9A1	"collagen, type IX, alpha 1 "
8127841 PGM3	phosphoglucomutase 3
8128429 CCNC	cyclin C
8128669 OSTM1	osteopetrosis associated transmembrane protein 1
8128991 LAMA4	"laminin, alpha 4 "
8129562 CTGF	connective tissue growth factor
8129937 CITED2	"Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2 "
8130211 SYNE1	"spectrin repeat containing, nuclear envelope 1 "
8130505 EZR	ezrin
8130556 SOD2	"superoxide dismutase 2, mitochondrial "
8130939 DLL1	delta-like 1 (Drosophila)
8131087 UNCX	UNC homeobox
8131253 FOXK1	forkhead box K1
8131374 AIMP2	aminoacyl tRNA synthetase complex-interacting multifunctional protein 2
8131475 C1GALT1	"core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1 "
8131550 SCIN	scinderin
8131583 BZW2	basic leucine zipper and W2 domains 2
8131631 HDAC9	histone deacetylase 9
8131803 IL6	"interleukin 6 (interferon, beta 2) "

8131844 GPNMB glycoprotein (transmembrane) nmb
 8131996 CREB5 cAMP responsive element binding protein 5
 8132036 WIPF3 "WAS/WASL interacting protein family, member 3 "
 8132218 BBS9 Bardet-Biedl syndrome 9
 8132805 VWC2 von Willebrand factor C domain containing 2
 8132860 EGFR "epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian) "
 8134117 FZD1 frizzled homolog 1 (Drosophila)
 8134263 COL1A2 collagen, type I, alpha 2
 8134339 PEG10 paternally expressed 10
 8134407 DLX6 distal-less homeobox 6
 8134907 EPO erythropoietin
 8135069 SERPINE1 serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1
 8135149 SH2B2 SH2B adaptor protein 2
 8135218 LRRC17 leucine rich repeat containing 17
 8135277 MLL5 "myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila) "
 8135514 IFRD1 interferon-related developmental regulator 1
 8135594 CAV1 "caveolin 1, caveolae protein, 22kDa "
 8135763 WNT16 wingless-type MMTV integration site family, member 16
 8136080 SMO smoothed homolog (Drosophila)
 8137865 GNA12 guanine nucleotide binding protein (G protein) alpha 12
 8137979 ACTB actin, beta
 8138189 RPA3 replication protein A3, 14kDa
 8138442 TWIST1 twist homolog 1 (Drosophila)
 8138602 DFNA5 "deafness, autosomal dominant 5 "
 8139087 SFRP4 secreted frizzled-related protein 4
 8139207 INHBA "inhibin, beta A "
 8139212 GLI3 GLI family zinc finger 3
 8139430 PURB purine-rich element binding protein B
 8139488 IGFBP3 insulin-like growth factor binding protein 3
 8140319 HIP1 huntingtin interacting protein 1
 8140398 YWHAG "tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide "
 8140556 HGF hepatocyte growth factor (hepapoietin A; scatter factor)
 8140650 SEMA3E "sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E "
 8140668 SEMA3A "sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A "
 8140686 SEMA3D "sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D "
 8140955 CDK6 cyclin-dependent kinase 6
 8141016 TFPI2 tissue factor pathway inhibitor 2
 8141050 RPS3A ribosomal protein S3A
 8141140 DLX5 distal-less homeobox 5
 8141222 RPS3A ribosomal protein S3A
 8141241 SMURF1 SMAD specific E3 ubiquitin protein ligase 1
 8141380 ZNF3 zinc finger protein 3
 8141466 GPC2 glypican 2

8141950	RELN	reelin
8142036	SRPK2	SFRS protein kinase 2
8142468	TPM3	tropomyosin 3
8142471	WNT2	wingless-type MMTV integration site family member 2
8142580	FEZF1	FEZ family zinc finger 1
8142747	PAX4	paired box 4
8142981	PODXL	podocalyxin-like
8143188	CREB3L2	cAMP responsive element binding protein 3-like 2
8143772	RARRES2	retinoic acid receptor responder (tazarotene induced) 2
8143850	CDK5	cyclin-dependent kinase 5
8143919	SMARCD3	"SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3 "
8144078	SHH	sonic hedgehog homolog (Drosophila)
8144112	MNX1	motor neuron and pancreas homeobox 1
8144267	CLN8	"ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation) "
8144279	CLN8	"ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation) "
8144643	GATA4	GATA binding protein 4
8144758	ZDHC2	zinc finger, DHC-type containing 2
8145055	BMP1	bone morphogenetic protein 1
8145470	DPYSL2	dihydropyrimidinase-like 2
8145490	PTK2B	PTK2B protein tyrosine kinase 2 beta
8145736	NRG1	neuregulin 1
8145865	GPR124	G protein-coupled receptor 124
8145954	TACC1	transforming, acidic coiled-coil containing protein 1
8146000	ADAM9	ADAM metallopeptidase domain 9 (meltrin gamma)
8146216	VDAC3	voltage-dependent anion channel 3
8146357	MCM4	minichromosome maintenance complex component 4
8146462	SOX17	SRY (sex determining region Y)-box 17
8146500	LYN	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog
8146645	BHLHE22	"basic helix-loop-helix family, member e22 "
8146914	TERF1	telomeric repeat binding factor (NIMA-interacting) 1
8147049	FABP5	fatty acid binding protein 5 (psoriasis-associated)
8147461	SDC2	syndecan 2
8147516	MATN2	matrilin 2
8148317	MYC	v-myc myelocytomatosis viral oncogene homolog (avian)
8148559	C8orf55	chromosome 8 open reading frame 55
8148572	LY6E	lymphocyte antigen 6 complex, locus E
8148597	ZFP41	zinc finger protein 41 homolog (mouse)
8149330	CTSB	cathepsin B
8149749	TNFRSF10D	tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain
8149820	NKX2-6	"NK2 transcription factor related, locus 6 (Drosophila) "
8149825	STC1	stanniocalcin 1
8149927	CLU	clusterin
8149955	PBK	PDZ binding kinase

8150287 WHSC1L1 Wolf-Hirschhorn syndrome candidate 1-like 1
8150318 FGFR1 fibroblast growth factor receptor 1
8150428 SFRP1 secreted frizzled-related protein 1
8150491 MYST3 MYST histone acetyltransferase (monocytic leukemia) 3
8150592 CEBPD CCAAT/enhancer binding protein (C/EBP), delta
8150599 PRKDC "protein kinase, DNA-activated, catalytic polypeptide "
8150698 SNAI2 snail homolog 2 (Drosophila)
8150818 TCEA1 "transcription elongation factor A (SII), 1 "
8150830 LYPLA1 lysophospholipase I
8151310 EYA1 eyes absent homolog 1 (Drosophila)
8151711 NBN nibrin
8151768 RUNX1T1 "runt-related transcription factor 1; translocated to, 1 (cyclin D-related) "
8151906 GDF6 growth differentiation factor 6
8152215 KLF10 Kruppel-like factor 10
8152280 LRP12 low density lipoprotein receptor-related protein 12
8152297 ANGPT1 angiopoietin 1
8152491 EXT1 exostosin 1
8152512 TNFRSF11B tumor necrosis factor receptor superfamily, member 11b
8153175 TRAPPC9 trafficking protein particle complex 9
8153449 EEF1D eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)
8153457 EEF1D eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)
8153497 SCRIB scribbled homolog (Drosophila)
8153828 FOXH1 forkhead box H1
8154043 DMRT3 doublesex and mab-3 related transcription factor 3
8154100 VLDLR very low density lipoprotein receptor
8154178 JAK2 Janus kinase 2
8154316 UHRF2 ubiquitin-like with PHD and ring finger domains 2
8154656 DMRTA1 DMRT-like family A1
8155096 CREB3 cAMP responsive element binding protein 3
8155849 ANXA1 annexin A1
8155883 OSTF1 osteoclast stimulating factor 1
8156134 NTRK2 "neurotrophic tyrosine kinase, receptor, type 2 "
8156290 CKS2 CDC28 protein kinase regulatory subunit 2
8156309 GADD45G "growth arrest and DNA-damage-inducible, gamma "
8156783 COL15A1 "collagen, type XV, alpha 1 "
8156826 TGFBR1 "transforming growth factor, beta receptor 1 "
8157487 PAPPA "pregnancy-associated plasma protein A, pappalysin 1 "
8157516 TRIM32 tripartite motif-containing 32
8157524 TLR4 toll-like receptor 4
8157922 LMX1B "LIM homeobox transcription factor 1, beta "
8158112 CDK9 cyclin-dependent kinase 9
8158269 ODF2 outer dense fiber of sperm tails 2
8158424 LRRC8A "leucine rich repeat containing 8 family, member A "

8158725	ABL1	c-abl oncogene 1, non-receptor tyrosine kinase
8158890	NTNG2	netrin G2
8159127	RXRA	"retinoid X receptor, alpha "
8159318	GPSM1	"G-protein signaling modulator 1 (AGS3-like, C. elegans) "
8159850	VLDLR	very low density lipoprotein receptor
8160238	PSIP1	PC4 and SFRS1 interacting protein 1
8160441	CDKN2A	"cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4) "
8160452	CDKN2B	"cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4) "
8160647	BAG1	BCL2-associated athanogene
8160663	AQP7	aquaporin 7
8160670	AQP3	aquaporin 3 (Gill blood group)
8160914	VCP	valosin-containing protein
8161211	PAX5	paired box 5
8161255	SHB	Src homology 2 domain containing adaptor protein B
8161906	GNAQ	"guanine nucleotide binding protein (G protein), q polypeptide "
8162236	SEMA4D	"sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D "
8162472	BARX1	BARX homeobox 1
8162533	PTCH1	patched 1
8162759	TBC1D2	TBC1 domain family, member 2
8162940	ABCA1	"ATP-binding cassette, sub-family A (ABC1), member 1 "
8163002	KLF4	Kruppel-like factor 4 (gut)
8163202	SVEP1	sushi, von Willebrand factor type A, EGF and pentraxin domain containing 1
8163444	ZFP37	zinc finger protein 37 homolog (mouse)
8163672	PAPPA	"pregnancy-associated plasma protein A, pappalysin 1 "
8163733	CDK5RAP2	CDK5 regulatory subunit associated protein 2
8163936	LHX6	LIM homeobox 6
8164013	STRBP	spermatid perinuclear RNA binding protein
8164077	NR5A1	"nuclear receptor subfamily 5, group A, member 1 "
8164269	ENG	endoglin
8164781	TSC1	tuberous sclerosis 1
8165038	SOHLH1	spermatogenesis and oogenesis specific basic helix-loop-helix 1
8165217	NOTCH1	"Notch homolog 1, translocation-associated (Drosophila) "
8165309	EDF1	endothelial differentiation-related factor 1
8166079	EGFL6	"EGF-like-domain, multiple 6 "
8166266	NHS	Nance-Horan syndrome (congenital cataracts and dental anomalies)
8166455	PRDX4	peroxiredoxin 4
8167347	SUV39H1	suppressor of variegation 3-9 homolog 1 (Drosophila)
8167407	ERAS	ES cell expressed Ras
8167973	HEPH	hephaestin
8167998	AR	androgen receptor
8168045	EFNB1	ephrin-B1
8168205	FOXO4	forkhead box O4
8168472	ATP7A	"ATPase, Cu ⁺⁺ transporting, alpha polypeptide "

8168691	DIAPH2	diaphanous homolog 2 (Drosophila)
8168794	CENPI	centromere protein I
8169061	PLP1	proteolipid protein 1
8169640	SLC25A5	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5
8170119	FHL1	four and a half LIM domains 1
8170753	SRPK3	SFRS protein kinase 3
8170921	PLXNA3	plexin A3
8171867	ARX	aristaless related homeobox
8172520	TFE3	transcription factor binding to IGHM enhancer 3
8172905	HSD17B10	hydroxysteroid (17-beta) dehydrogenase 10
8172914	HUWE1	"HECT, UBA and WWE domain containing 1 "
8173299	EDA2R	ectodysplasin A2 receptor
8173673	ATRX	alpha thalassemia/mental retardation syndrome X-linked
8174201	BEX1	"brain expressed, X-linked 1 "
8174253	MORF4L2	mortality factor 4 like 2
8174361	TSC22D3	TSC22 domain family, member 3
8174675	SLC25A5	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5
8174985	SMARCA1	"SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1 "
8175177	MBNL3	muscleblind-like 3 (Drosophila)
8175528	SOX3	SRY (sex determining region Y)-box 3
8176276	ATRX	alpha thalassemia/mental retardation syndrome X-linked
8177462	CDK7	cyclin-dependent kinase 7
8177858	TUBB	"tubulin, beta "
8177867	DDR1	discoidin domain receptor tyrosine kinase 1
8178298	GABBR1	"gamma-aminobutyric acid (GABA) B receptor, 1 "
8178435	IER3	immediate early response 3
8178442	CDSN	corneodesmosin
8178448	CCHCR1	coiled-coil alpha-helical rod protein 1
8178470	POU5F1	POU class 5 homeobox 1
8178727	ATF6B	activating transcription factor 6 beta
8178897	COL11A2	"collagen, type XI, alpha 2 "
8178977	TAPBP	TAP binding protein (tapasin)
8179174	TUBB	"tubulin, beta "
8179184	DDR1	discoidin domain receptor tyrosine kinase 1
8179595	GABBR1	"gamma-aminobutyric acid (GABA) B receptor, 1 "
8179704	IER3	immediate early response 3
8179716	CDSN	corneodesmosin
8179719	POU5F1	POU class 5 homeobox 1
8180093	HLA-DOA	"major histocompatibility complex, class II, DO alpha "
8180105	COL11A2	"collagen, type XI, alpha 2 "
8180166	TAPBP	TAP binding protein (tapasin)